

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph at page 22, lines 20-29 (Paragraph [0080] of the published application) with the following rewritten paragraph:

--Hyperthermia and biostimulation are achieved in volume of tissue 260 by directing electromagnetic radiation from a narrowband source 210 onto an area 250. The wavelength of source 210 is selected to achieve a desired photobiostimulative result, and flux of source 210 is chosen to achieve a selected temperature profile as indicated by FIGS. 6 and 7. Biostimulation in volume 270 (defined by depth region 240 and area 250) is achieved where the intensity of light is sufficient to achieve biostimulation, but not sufficient to achieve a hyperthermic temperature (i.e., the temperature is less than 38° C.) as indicated in FIG. 2. ~~It is to be appreciated that the effect of biostimulation is weaker in depth region 230 than in depth region 240 due to the absence of hyperthermia in depth region 240.--~~

Please replace the paragraph at page 24, lines 4-13 (Paragraph [0084] of the published application) with the following rewritten paragraph:

FIG. 12A illustrates the temperature at the skin surface as a function of time of exposure to a 800 nm radiation at a flux of 680 mW/cm², wherein the beam has a diameter larger than 2.5 cm. The data illustrated in FIG. 12A was calculated using a computer model including the following assumption: a 3 mm skin thickness, a 5 mm subcutaneous fat thickness, muscle extending below the subcutaneous fat, and a body temperature of 37° C. FIG. 12B illustrates temperature profiles corresponding to an embodiment of ~~FIG. 2~~ FIG. 4 in which the skin surface is cooled and kept to 36° C. The temperature profiles of FIG. 12B correspond to the data of Table 3. The data illustrated in FIG. 12B were calculated using a computer model including the following assumption: a 3 mm skin thickness, a 5 mm subcutaneous fat thickness, muscle extending below the subcutaneous fat, and a body temperature of 36° C.

Please replace the paragraph at page 27, lines 16-23 (Paragraph [0096] of the published application) with the following rewritten paragraph:

FIG. 7 depicts graphical data ~~and corresponding tabular data~~, for achieving a selected temperature profile using exemplary wavelengths of monochromatic light, in which the skin surface is cooled to a temperature of 10° C. and photobiostimulation is suppressed in a region of tissue adjacent the skin surface. Specifically, the numbered entries in Table 3 describe the flux at the skin surface and the time necessary to achieve a correspondingly-numbered steady-state temperature profile in FIG. 7. It is to be understood that the wavelengths in FIGS. 6 and 7 are exemplary and light of any suitable wavelength may be used to achieve hyperthermia, and biostimulation.